

C 4304

B.Sc. (Three Year) DEGREE EXAMINATION, MARCH/APRIL 2017.

End Semester Examination

Fourth Semester

Part II — Biotechnology

IMMUNOLOGY

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. Spleen
2. Antigen
3. Antibody mediated immunity
4. RIA
5. MHC
6. Macrophages
7. Agglutination
8. Types of immunity.

PART — B

Answer ALL the following questions. **(5 × 10 = 50 Marks)**

9. (a) Write an essay on primary organs of human system.
Or
(b) Explain about classical pathway of complement system.
10. (a) Explain in detail about factors effecting antigenicity?
Or
(b) Write an essay on structure of antibody?

Turn Over

11. (a) Explain about TC mediated immunity?

Or

(b) Write a short notes on the following

(i) Cytokines

(ii) ADCC

12. (a) Define vaccine? Explain various types of vaccines?

Or

(b) Explain Hypersensitivity in detail.

13. (a) Write a short notes at of the following

(i) precipitation

(ii) complement fixation

Or

(b) Discuss application of monoclonal antibodies.
